Application No. 10/050,711 Amendment After Final Action dated March 23, 2004 Reply to Office Action of December 19, 2003

AMENDMENT TO THE CLAIMS:

- 1. (Previously Presented) A (meth)acrylate composition comprising
 - a (meth)acrylate component; and
- a dye substantially dissolved in said (meth)acrylate component which imparts a first color to said (meth)acrylate component, wherein upon curing, a resultant cured composition has a second color, and wherein said dye comprises xanthene dyes, and optionally, anthraquinone dyes, wherein said xanthene dye is selected from the group consisting of fluorescein, dibromofluorescein, diiodofluorescein, tetrabromofluorescein, tetrabromofluorescein, tetrabromofluorescein and combinations thereof.
- 2. (Original) The composition of Claim 1, wherein upon curing, the resultant cured composition is substantially free of the first color.
- 3. (Original) The composition of Claim 1, wherein said (meth)acrylate component comprises one or more members selected from the group consisting of
 - a monomer represented by the formula:

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wherein G is hydrogen, halogen, or an alkyl having from 1 to 4 carbon atoms, R¹ has from 1 to 16 carbon atoms and is an alkyl, cycloalkyl, alkenyl, cycloalkenyl, alkaryl, aralkyl, or aryl group, optionally substituted or interrupted with silane, silicon, oxygen, halogen, carbonyl, hydroxyl, ester, carboxylic acid, urea, urethane, carbamate, amine, amide, sulfur, sulfonate, or sulfone;

a di- or tri- (meth)acrylate comprising polyethylene glycol di(meth)acrylates, bisphenol-A di(meth)acrylates, tetrahydrofurane di(meth)acrylates, hexanediol di(meth)acrylate, trimethylol propane tri(meth)acrylate, or combinations thereof; and

an acrylate ester represented by the formula:

wherein R^2 is hydrogen, halogen, or an alkyl having about 1 to about 4 carbon atoms, R^3 is hydrogen, an alkyl having about 1 to about 4 carbon atoms, hydroxyalkyl having about 1 to about 4 carbon atoms or

R4 is hydrogen, hydroxy or

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m is 1 to 8, n is 1 to 20, and v is 0 or 1.

4. (Original) The composition of Claim 1, wherein said (meth) acrylate component comprises urethane acrylates or ureide acrylates represented by the formula:

$$\begin{bmatrix} H_2 C = C - C - C - C - R^8 - X - C - N - \frac{1}{2} - R^8 \end{bmatrix}_{\mathcal{Z}} R^8$$

wherein

G is hydrogen, halogen, or an alkyl having from 1 to 4 carbon atoms;

R⁸ denotes a divalent aliphatic, cycloaliphatic, aromatic, or araliphatic group, bound through a carbon atom or carbon atoms thereof indicated at the -O- atom and -X- atom or group;

X is -0-, -NH-, or -N(alkyl)-, in which the alkyl radical has from 1 to 8 carbon atoms;

z is 2 to 6; and

 ${\tt R}^9$ is a z-valent cycloaliphatic, aromatic, or araliphatic group bound through a carbon atom or carbon atoms thereof to the one or more NH groups.

5. (Currently Amended) The composition of Claim 1, wherein said (meth)acrylate component [comprises] includes

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polyethylene glycol di (meth) acrylates, bisphenol-A di (meth) acrylates, tetrahydrofurane (meth) acrylates and di (meth) acrylates, citronellyl acrylate and citronellyl methacrylate, hydroxypropyl (meth) acrylate, hexanediol di (meth) acrylate, trimethylol propane tri (meth) acrylate, tetrahydrodicyclopentadienyl (meth) acrylate, ethoxylated trimethylol propane triacrylate, triethylene glycol acrylate, triethylene glycol methacrylate, and combinations thereof.

Claims 6 and 7. (Cancelled)

- 8. (Original) The composition of Claim 1, wherein said dye is present in an amount of about 50 ppm to about 1000 ppm based on the amount of said (meth)acrylate component.
- 9. (Original) The composition of Claim 1, wherein said dye is present in an amount of about 100 to about 200 ppm based on the amount of said (meth)acrylate component.
- 10. (Original) The composition of Claim 1, wherein said dye comprises tetraiodofluorescein.
- 11. (Original) The composition of Claim 1, further comprising a member selected from the group consisting of stabilizers, accelerators, fillers, opacifiers, thickeners, viscosity modifiers, adhesion promoters, inhibitors, thixotrophy

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conferring agents, tougheners, anti-oxidizing agents, antireducing agents, and combinations thereof.

Claims 12-14. (Cancelled).

15. (Original) A method of making a cured composition comprising the steps of

providing the (meth)acrylate composition of Claim 1; and

curing the composition to form a cured composition having a second color.

- 16. (Previously Presented) The method of Claim 15, wherein prior to the step of curing the (meth)acrylate component, the (meth)acrylate component has a first color which is fluorescent.
- 17. (Previously Presented) The method of Claim 15, wherein after the step of curing the (meth)acrylate component, the cured composition is substantially free of the first color.
 - 18. (Cancelled).
- 19. (Original) The method of Claim 15, wherein the step of curing comprises photocuring.
- 20. (Currently Amended) A method of detecting substantially full cure of an adhesive comprising the steps of providing a first article and a second article;

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providing, on a surface of the first article, the (meth) acrylate composition of Claim 1; [and]

contacting a surface of the second article to the surface of the first article having the (meth) acrylate composition thereon; and

exposing the first and second articles to cure conditions.

- 21. (Previously Presented) The method of Claim 20, wherein in the step of providing a (meth)acrylate composition comprising a (meth)acrylate component and a dye, the dye is selected from the group consisting of fluorescein, dibromofluorescein, diiodofluorescein, tetrabromofluorescein, tetrabromofluorescein, and combinations thereof.
- 22. (Original) The method of Claim 20, further including the step of detecting the absence of the first color after exposing the first and second articles to cure conditions.
- 23. (Previously Presented) A method of assembling and inspecting a series of articles having an adhesive bond line comprising the steps of

adhering two or more parts of an article together with the (meth)acrylate composition of Claim 1, wherein an

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adhesive bond line is formed between the parts of the article; and

exposing the article to cure conditions.

- 24. (Previously Presented) The method of Claim 23, wherein in the step of adhering two or more parts of an article together with the (meth)acrylate composition, the (meth)acrylate composition has a first color.
- 25. (Previously Presented) The method of Claim 24, further including the step of detecting the absence of the first color after exposing the article to cure conditions.